BIRD-
HOUSES,
NEST BOXES,
FOOD SHELTERS,
LUNCH COUNTERS,
FEEDING BOOTHS,
SPARROW TRAPS.
JACOBS BIRD-HOUSE
AND MANUFACTURING Co.
WAYNESBURG, PA.

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TERMS

We request check with order. Express and freight shipments F. O. B. Waynesburg, Pa., except on orders amounting to $50.00 or more, we prepay freight to points east of the Mississippi and allow one-half freight to points west of the Mississippi.

Reference: Citizens National Bank, Waynesburg, Pa.

Established 1883. Organized 1908. Incorporated 1921.

We prepay freight east of the Mississippi river on all orders over $50.00, and allow one-half freight to points west of the Mississippi on orders of this amount.

JACOBS BIRD-HOUSE AND MANUFACTURING CO.

Waynesburg, Pa.

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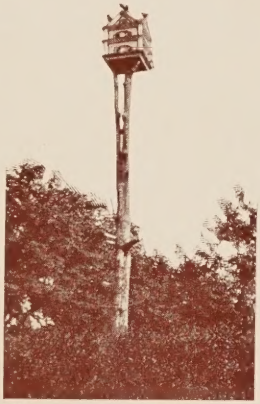
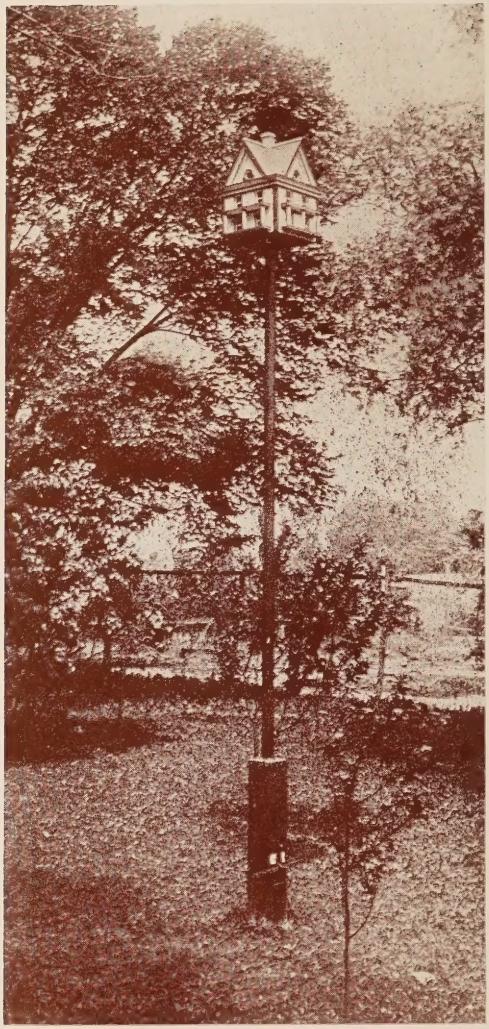
ABOUT BIRDS
AND
BIRD-HOUSES



A FEW SIMPLE FACTS ABOUT BIRDS, AND
HOW YOU CAN HAVE THEM ABOUT YOUR
HOME YEAR AFTER YEAR

JACOBS BIRD-HOUSE AND MFG. CO.
WAYNESBURG, PENNA.
1923

Avery Special



PUT A BIRD-HOUSE IN YOUR YARD

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Classics
AT
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J151
1923

About Birds and Bird-Houses

THE first thing to be understood by any one who is interested in having birds about his home is that no special study of birds, or extensive information about their habits, is necessary when Jacobs-designed bird-houses are to be erected. We find from many letters coming to us that there is a general idea that the art of attracting birds to become permanent residents is rather a special one; and that only those knowing a great deal about bird-habits can count upon succeeding.

This is not true as to the buyer of a Jacobs bird-house. It is true that *we* who make these houses must know bird-habits, in order to design houses, nest boxes and shelters that will attract the birds successfully.

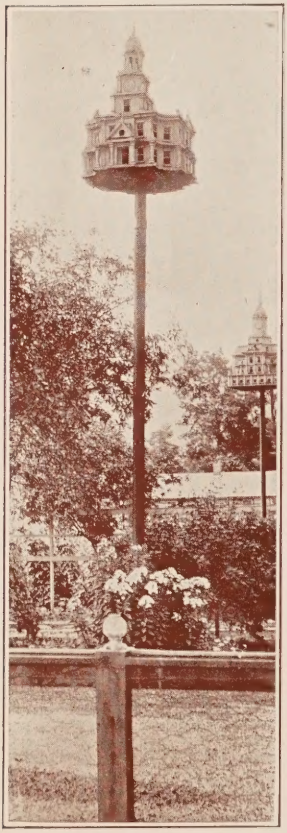
Our designs have been developed through more than 30 years' study of birds and their habits. The founder of our company was the pioneer in offering to those who loved birds, but had not the time to study them scientifically, bird-houses that were planned after years of experiment and study, and that have been consistently successful in attracting and keeping birds.

We do not pretend to make a great mystery of bird-house building. Many homemade bird-houses are successful, but on the other hand many are not.

Gentlemen:

We placed one of your Model 9 martin houses in our garden this spring, about the last of April, and had about given up the martins this year when on June 3, we heard them, and on investigating we saw one pair looking over the house. The next day there were three pairs. They have been here every day since and I hope they will stay with us. We put up a martin house two years ago made by a local man, but it could not have been to their liking for none came. No one had seen martins in this locality for 15 years, and some folks discouraged us saying it was no use, but thanks to the Jacobs house we have them.

Reynoldsville, Pa. MRS. IRA S. SMITH.



Jacobs bird-houses score a very high percentage of successes. In fact they will always be successful if there are any birds available for them. That our designs make good is clearly shown from the fact that 75 per cent of our customers buy again, or recommend our houses to their friends, who buy from us.

Gentlemen:

I started with one of your houses. Last year I bought the fourth—all filled. My son, Mr. Clarence B. Sturges, sent for one last year, and this year he has the martins (they are all martin houses). Last year at my request you sent a catalogue to Miss Anna B. Jennings, of Fairfield, Conn. The other day she asked me to please order one for her. I have picked out a No. 8. She would like a hinged pole and full directions.

MRS. EDW. B. STURGES.

Nirvana, Southport, Conn.

We can understand how bird-houses, intended to attract various species of birds, differing in design from our own, often fail in their purpose. In studying and changing and altering and adapting our houses through the early years of our experimental work, we learned of some very singular peculiarities in different species of birds. To most people a bird-house is a bird-house, but we know that the number of rooms, size of rooms, size of openings, position of openings and many, many more little details of that kind are of great importance.

Zanesville, Ohio.

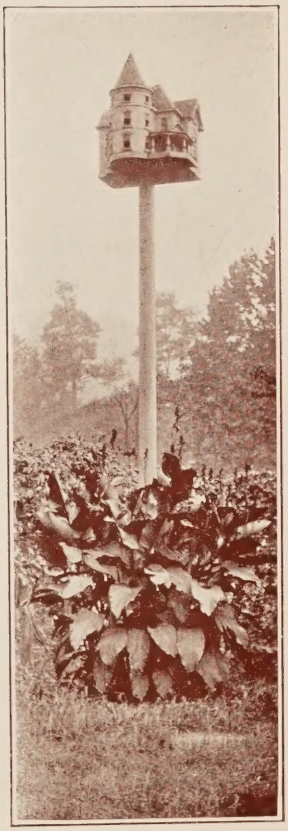
Gentlemen:

I enclose my check for which please ship to me one Jacobs martin house, Model 5. I have had one of ———————— martin houses up for five years but no martins

Last spring one of our neighbors put up a Jacobs bird-house and when I saw the martins visiting both our houses, then all leaving mine to build nests in the beautiful house my neighbor bought of you, I was disgusted. His Jacobs house had been up only one day while mine had been up several years.

Now I am going to have a real Jacobs bird-house.

MRS. S. F. G.



Gentlemen:

I regret that I did not know of your methods of attracting our feathered friends long ago, for I have spent many hours of real toil in making "houses" for them during the past few years.

Please send me by express: 1 Model 9 martin house, 4 bluebird houses, 2 Carolina wren houses, 1 house-wren house, 1 flicker nest-box.

(Miss) F. R. Haley.

Jasper, Ala.

Because Jacobs houses have been developed over a long period of years (since 1883), we were able to establish our designs some time ago, and consequently all over the United States we have pleased customers who have bought one, two, or many more of our houses and who write us of their success.

Lincolnville, Me.

. . . Kindly send me another of your Model 5 martin houses, with angle iron braces, etc.

I am sending you a photo of the two Jacobs martin houses I have already erected on my place, and meeting with great success.

LOUIS PENNINGTON.

Zanesville, Ohio.

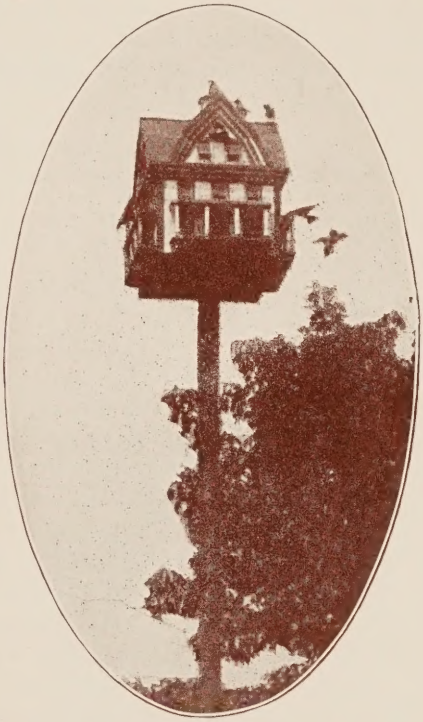
. . . I purchased from you, last year, a Model 11 Jacobs martin house and watched the few martins that hovered around it anxiously wondering if they really would locate there.

By the end of the season every room was taken, and now I am thinking of enlarging their quarters and wish to order your Model 5, twenty-eight room, Rockefeller favorite.

We have a number of cardinals, bluebirds, and others I do not know, and will also want nest-boxes for them as well as a Food Shelter in order to feed those that stay here in winter.

MRS. R. C. BURTON.

We need say very little as to the pleasure and benefit of having birds about one's home. Grown-up members of the family will find great enjoyment in daily observation of their birds that return year after year, and really "belong".



Gentlemen:

Our Jacobs martin house gave us much real pleasure. Only 24 hours elapsed, when lo, they began coming. They seemingly looked, and said, "How lovely!" All summer we watched with deep interest the young in their flight-attempts, the anxiety of their elders, etc. We want a wren house in the spring. Our neighbors reveled in their appreciation of our martin house.

MRS. A. W. STEINER.

Monticello, Iowa.

Bernardsville, N. J.

. . . We are delighted with the bird-houses you sent us last spring. One Bluebird box was occupied by a pair of Bluebirds a few days after it was put up, although no Bluebirds had ever nested on the place before. Also three pairs of Wrens occupied houses, though to the best of our knowledge, no Wrens had nested on the place before.

MRS. JOHN A. ROEBLING.

The children find an indescribable delight in watching their birds, and telling what they see the birds do. The musical gurgling of a house full of martins is some-

thing worth hearing about one's home. It is true, too, that they protect the trees, flowers and vegetable garden from destructive insects. Just a few minutes observation of the activity of a woodpecker, nut-hatch and others over and under tree branches, or of birds cleaning the slugs from rose bushes and shrubbery, or martins snapping the insects as they fly, is proof enough of this, when we realize that they are at it all day long.

Prairie City, Iowa.

. . . . We received our bird-houses and put them up May 3. We were very much surprised to have a flock of martins settle with us the following day, May 4. We think this proves, without doubt, the value of your bird-houses. This year we had no annoyance from bugs and worms and we thank our Purple Martins for it all. Their presence has induced other birds to inhabit the place. We have never had so many different kinds of birds as now, but we think the martins best of all.

MRS. C. S. JENKS.

It is to be understood, of course, that of the 1,200 or more varieties of birds of North America, not more than 100 are hole-nesting birds, and only about 30 species are likely to use nesting boxes or colony houses. But nature seems to provide ample numbers in the varieties that are willing to live near our homes, so that if we provide houses, the birds turn up to occupy them.

The martins, and to some extent tree swallows, will occupy colony houses with a number of rooms. The bluebird, wren, chickadee, nuthatch, tufted titmouse, crested fly-catcher, flicker, woodpecker, tree swallow and others are attracted by single room nesting boxes. If you have not particularly noted the different birds in your neighborhood, you may think off-hand that few, if any, of the species mentioned, come about your home. But on putting up a martin house, or several nest boxes, you would no doubt have the experience that hundreds of our customers have had, the pleasant surprise of finding them all soon occupied. You will find, too, that

observation of the habits of the particular individuals that have occupied your houses is much more interesting than the study of bird-life in general, and very informative.

We wish to refer briefly to what, in building a home for human occupancy, you would consider to be a very practical question. and one of artistic judgment, too. That is, the architectural style which we have adopted for our bird-houses as giving most satisfactory service, and to fit the conditions and surroundings where bird-houses are mostly erected. We recognize the uniqueness and oddity of the many attractive bird-houses built by bird lovers themselves, along individual lines and with materials purposely selected to express rough nature herself, in a way—bark covered slabs, rough finished boards, shingles and sometimes paint kegs. We would not suggest that because we do not build our own houses of these materials, we therefore should not use them to make bird-houses, for that is not logical; nevertheless it is true that bird-houses that are to be erected on grounds near homes

that are built of practical, serviceable materials, will look well if similarly built, and like the home, with its porches and garage, can be painted for protection against the weather, and to harmonize with the other buildings.

To the birds it seems to make little difference. We have never made the "rustic" type, and have no records as to their success or non-success in attracting birds. The designs we have developed through our forty years of making and selling bird-houses are absolutely successful in their main purpose of pleasing the birds, as we know from records of thousands of houses we have sold. Our houses are conscientiously made from the best materials, completely roofed with high grade tin and painted with three coats of lead and oil paint. You will find the designs shown on the pages following to be graceful, well proportioned, and adding greatly to the beauty of their surroundings when erected.

We make our houses in quantities, with individual attention and inspection. They are well crated for shipment and warranted to arrive in good condition.

Syracuse, N. Y.

. . . Our Jacobs martin house received and erected at night. Next morning, early, there were six martins in it. To-day there are twelve of them.

I regard the Jacobs bird-house as a fine piece of work and the birds do, too!

DR. H. E. LUTHER.

Bellport, L. I., N. Y.

. . . I am pleased to say that the bird-house has been a complete success, notwithstanding it was erected late in the season. All the twenty compartments were occupied and young martins raised in them.

CLARENCE VOSE.

Detroit, Mich.

. . . . I am sending herewith small photo of the Model 9 bird-house we bought from you.

Some martins lit upon and inspected this house while it was being erected, and it was filled to capacity very shortly thereafter.

E. E. GALLOGLY.

The above is from a photograph of a Model 9 Jacobs martin house purchased by John H. Sage, President of the American Ornithologists' Union, of Portland, Connecticut.

This picture was taken eight years after the house was ordered, and is printed especially to show the durability of the Jacobs type of bird-house after long use by contented families of martins.

Manchester, Iowa.

. . . The National Audubon Society's Leaflet No. 15, recommends your bird-houses.

Now as I have had made a number of Martin houses without any success, as the birds will not stay in them, I wish to try one of the Jacobs type.

Please send me your price list.

MRS. W. J. BURK.

OUR BIRD-HOUSES ADD TO THE ATTRACTIVENESS OF PARKS

BIRD-HOUSES
FOR PARKS AND CEMETERIES

We have amongst our customers many parks, cemeteries, country clubs and large estates whose managers appreciate the attractiveness of bird-houses in the landscape plan and the practical usefulness of the birds in destroying insects that are harmful to trees, shrubbery and plants. We invite correspondence and will gladly answer special inquiries along this line.

Oak Lawn Cemetery, Wilkes-Barre, Pa.

. . . The martin houses and other bird attractions we ordered from your firm, have arrived and I desire to say that they are entirely satisfactory in every way, and the best make we have on our grounds.

They are of good size, well proportioned and built for service. When we are in the market for additional houses, you will get our order.

EDWARD GUNSTER, President.

The picture on the left is a reproduction of a Model 4 Jacobs martin house on the grounds of Henry Ford. The birds have no greater friend in America than Mr. Ford.

The order files of the Jacobs Bird-House and Manufacturing Company show that Mr. Ford has been the greatest individual purchaser of Jacobs bird-houses, nest-boxes, etc.

At the right is one of our Model 3 martin houses in Highland Park, Pittsburgh, Pa. Erected by John M. Phillips, of Pittsburgh.

The Purple Martin

And Houses for Its Summer Home

View of Jacobs Martin Colony. Our Colony, housed in four large houses, now numbers 500 birds at the close of each nesting season.

THE Martins belong to the family of swallows (Hirundinidae) They are the largest Swallows and in point of species or varieties are not numerous, all being found in the Genus Progne.

The range of the Martins extends throughout the whole of Temperate and Tropical America, including the West Indies.

Originally the Martins nested in hollow trees—and possibly also in nooks and chinks about cliffs—but in more modern times some of the species have evolved from their primitive method to artificial nest-boxes supplied by mankind, and adorning the premises near his habitation. The eggs of all the species of this genus are pure white.

In the United States and Southern Canada, the type—Purple Martin (Progne subis subis)—is generally distributed in the East, and the geographical variation, Western Martin (Progne subis hesperia) West of the Rockies. The latter variety, however, has not progressed far from the original instinct of nesting in hollow trees. A few have been recorded as nesting about buildings, old missions and chapels.

We now narrow down to the typical variety -PURPLE MARTIN —inhabiting Eastern United States and Canada.

Almost any place within this region the purple martin can be attracted to become a permanent resident year after year by erecting houses of correct design. New generations have to find homes for themselves and there are numberless instances of martins appearing where they have never been noticed before, to occupy a new house put up to attract them.

SUMMER RANGE

Breeding Season—Where Colonies Can Be Established

Temperate North America, except the Pacific Coast, breeding abundantly throughout all the States North to Maine, West through Southern Ontario to Montana. North of this line which is about 45° N. Lat. in the East and 48° N. Lat. in the West, it rapidly grows scarce; breeding records more or less regular have been reported from Nova Scotia, New Brunswick, Northwest Ontario, Manitoba and Saskatchewan. A few records so far West as Utah and fewer from Idaho appear, but the species is quite rare West of Eastern Colorado, except in very restricted localities not affected by the mountainous region. Southward its breeding range extends into the table lands of Mexico. One brood is reared. The number of eggs laid range from three to seven (rarely the latter number), varying in different years. Generally the adults nest from two to five weeks earlier than the immature birds, consequently the latter are correspondingly later in bringing out their young. This gives rise to the supposition, sometimes stated, that two broods are reared during the summer months.

This cut shows our Model 1 House supplied with double verandas which add much to the beauty of the house. Erected by C. E. Bower, Supt. W. & W. Br. Penna. R. R.

WINTER RANGE

Mexico and the West Indies to Venezuela and Brazil and rarely straggling southward. This species does not breed anywhere within the limits of its winter range, except possibly in Southern Mexico, where its summer range overlaps its winter range. The colonies of Martins breeding in the United States and Canada may go far into South America to winter, but they will return to their Northern haunts each summer.

MIGRATION

In all the region within the boundaries described, these birds wander from their chosen breeding grounds to and from their winter retreats under the tropical sun. During this semi-annual migration, individuals may be attracted to suitable boxes put up for their use in sections of the country where they are not now encouraged.

FOOD

Living entirely upon winged insects, almost all of which are very obnoxious to the agriculturist, a colony of martins can assist him far more than human hands in curbing the inroads of these pests. The presence of martins induces numbers of birds of other species to inhabit the premises, filling the place with bird melodies while industriously cleaning the air, trees and vegetation of insect pests.

NESTING HOUSES

Martin houses should be put up ready for use during the last week of March if in a new locality, but in communities where the birds are already established a month later will do. The immature birds, which are driven from the crowded home box, seek new quarters late in May and we have reports where birds have taken up nesting quarters in new houses late in June. At no time during the summer months is it too late to erect a martin house, for many non-breeding birds, wandering over new territory, will settle upon a new house they chance to find, and live in it temporarily until the migration season begins. Our past experience proves that these birds return to such new houses the next year to breed.

All materials entering into the construction of these houses are of standard stock—well seasoned white pine, oak, and yellow poplar—the bottoms being made of double thick oak boards. The entire roof is covered with a number one quality of sheet tin, over standard stock of non-heating sheeting and completely soldered. All our house are finished in three coats of hand-mixed paint of high quality.

One of our larger houses erected on our 4½ inch steel pole. The pole listed with each house is the approximate size required.

While we recommend erecting our martin houses on poles, they are often placed on buildings or in trees. Poles can be arranged for locally by customers, but we are prepared to supply suitable poles when desired, in weight and size best adapted for the house it is to support. Detailed pole descriptions are given on page 27.

Poles are prepared of two kinds, the stems being of 3½, 4 and 4½ inch steel tubes or iron pipe, and the bases of the hinged style, securely made of oak and finished ready to erect the house sixteen feet above the ground. Each house is provided with four angle irons for fastening the same to the pole, or when a pole is ordered with a bird-house, these angle irons are riveted to a block of wood which fits securely into the steel tube. A convenient cleaning claw, for cleaning out the nest rooms, or ridding the same of sparrows' nests, free with each house.

Our poles are painted to resist rust and present a straight slender column effect that fits into any garden or landscape plan.

Complete instructions with each purchase.

MODEL 1—20 ROOMS

Reproduction of a Jacobs Bird-house, Model 1, which brought back the Martins to Long Island, N. Y. Erected by F. M. Brooks, President Matchless Brass Manufacturing Co., Brooklyn.

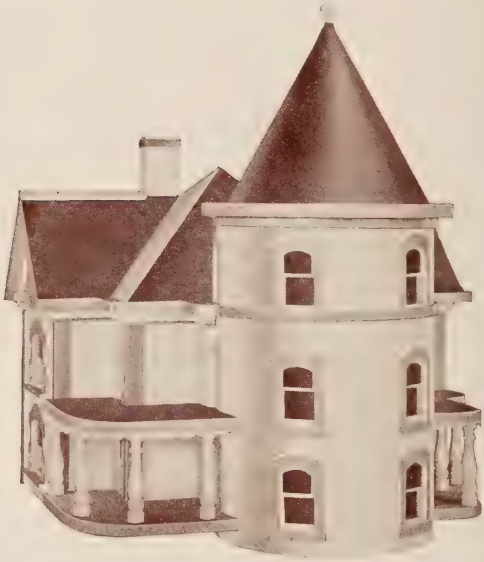
THE AERO CLUB

FOUR gables, all finished fronts, double verandas on all sides. Raised window and corner trimmings, cornice moulding; complete tin roof over standard stock non-heating sheeting; body painted three coats, white or tints, trimmings either white or colored. Shipping weight 175 pounds.

Price, including angle irons and crating	$24.00
Stationary pole, 21 feet, additional	8.00
Hinged pole, 21 feet, additional	12.00

For description of poles, see page 27.

Complete instructions for erecting with each purchase.



MODEL 2—34 Rooms

Reproduction of our Model 2, Martin-house exhibited at St. Louis World's Fair, 1904.

THE LIBRARY

BEAUTIFUL front, three different views. Raised window and corner trimmings, ornamental turned porch posts, complete tin roof over standard stock non-heating sheeting; body three coats white or tints. Trimmings either white or colored. Shipping weight 225 pounds.

Price, including angle irons and crating	$30.00
Stationary pole, 21 feet, additional	8.00
Hinged pole, 21 feet, additional	12.00

For description of poles, see page 27.

Complete instructions with each purchase.

MODEL 3—45 Rooms

Model 3, Jacobs Bird-house in the public park at Harrisburg, Pa. Erected by John M. Phillips.

INDEPENDENCE HALL

BROAD verandas all around, elaborate columns and cornice; two-story clock tower with beautiful dome and spire; raised window and corner trimmings and roof ornaments; complete tin roof over standard stock non-heating sheeting; body three coats white, trimmings either white or colored. A beautiful "Marble Palace", in solid white (decorated trimmings in colors extra). Size over all, 47x47x64 inches. Weight 325 pounds.

Price, including angle irons and crating.....$60.00
Stationary pole, 21 feet, additional..... 12.00
Hinged pole, 21 feet, additional..... 20.00

For description of poles, see page 27.

Complete instructions with each purchase.

MODEL 4—78 Rooms

Halftone reproduction of one of fifteen Model 4, Jacobs Bird-houses purchased by Henry Ford, Detroit, Michigan.

THE CAPITOL

BROAD porches and beautiful peristyle colonades on all four sides. Numerous roof ornaments; raised window trimmings, cornice mouldings, etc., seven stories high, including the two stories in the clock tower; complete tin roof and porch projections. Beautiful "Marble Palace" painted solid white (decorated trimmings in colors extra). Shipping weight 800 pounds.

Price, including double iron fastenings and crating..	$125.00
Extra heavy stationary pole, 21 feet, additional.....	20.00
Hinged pole, 21 feet, additional.....	30.00

Size over all, 50x50x74 inches.

For description of poles, see page 27.

Complete instructions with each purchase.

MODEL 5—28 Rooms

Reproduction of one of six Jacobs Birdhouses purchased by William Rockefeller.

ROCKEFELLER'S FAVORITE

FOUR gables all "fronts", raised window trimmings, cornice moulding and roof ornaments, four double verandas, turned columns, complete tin roof over standard stock non-heating sheeting; body three coats white or tint, trimmings either white or colored. Shipping weight 180 pounds.

Price, including angle irons and crating	$30.00
Stationary pole, 21 feet, additional	8.00
Hinged pole, 21 feet, additional	12.00

For description of poles, see page 27.

Complete instructions with each purchase.

MODEL 6—17 Rooms

Reproduction of a Model 6 Jacobs Bird-house which brought back the Martins to Stamford, Conn. Erected by Mrs. Nathalia Alexandria.

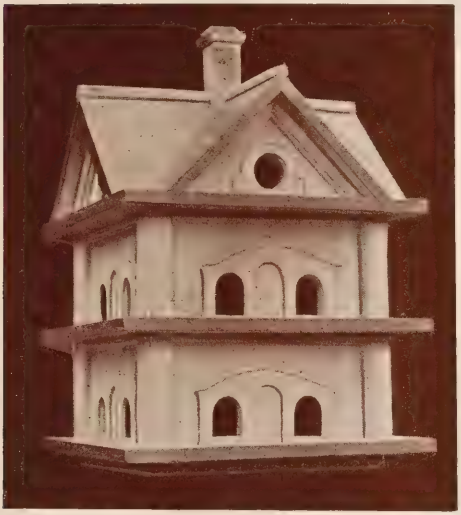
THE COTTAGE

THREE gables. Raised window and corner trimmings, cornice mouldings and roof ornaments, elegant porch with turned columns; complete tin roof, over standard stock non-heating sheeting; body three coats white or tints, trimmings either white or colored. Shipping weight 140 pounds.

Price, including angle irons and crating	$20.00
Stationary pole, 21 feet, additional	8.00
Hinged pole, 21 feet, additional	12.00

For description of poles, see page 27.

Complete instructions with each purchase.



MODEL 9—10 Rooms

Over 5,000 Jacobs Martin Houses, like this Model 9, of 10 rooms, now in use in the United States.

EVERYBODY'S

FOUR Gables. Raised window trimmings and other finish, cornice mouldings. Complete tin roof over standard stock non-heating sheeting, body three coats white or tints, trimmings either white or colored. Shipping weight 90 pounds.

Price, including angle irons and crating	$15.00
Stationary pole, 21 feet, additional	8.00
Hinged pole, 21 feet, additional	12.00

For description of poles, see page 27.

Complete instructions with each purchase.

MODEL 10—20 Rooms

Reproduction of our Model 10 Martin-house, 20 rooms, purchased by J. J. Sheridan, St. Joseph, Mo. Every room filled with Purple Martins the first year.

THE MANOR

FOUR gables, raised window and corner trimmings, cornice mouldings and roof ornaments, four double verandas, turned columns; complete tin roof, over standard stock non-heating sheeting; body three coats white or tints, trimmings either white or colored. Shipping weight 140 pounds.

Price, including angle irons and crating	$20.00
Stationary pole, 21 feet, additional	8.00
Hinged pole, 21 feet, additional	12.00

For description of poles, see page 27.

Complete instructions with each purchase.

MODEL 11—10 Rooms

Reproduction of Jacobs Martin-house (10 rooms) Model 11, on the grounds of Mrs. Potter Palmer, Palm Beach, Florida.

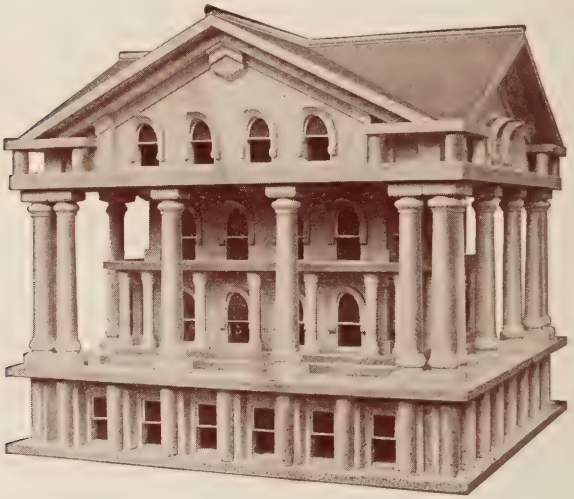
THE PALMER

FOUR gables. Broad verandas all around, supplied with substantial railing. Beautifully raised window trimmings, corner and cornice mouldings. Complete tin roof, body three coats white or tints, trimmings either white or colored. Shipping weight 110 pounds.

Price, including angle irons and crating.....$20.00
Stationary pole, 21 feet, additional..... 8.00
Hinged pole, 21 feet, additional..... 12.00

For description of poles, see page 27.

Complete instructions with each purchase.



MODEL 12—60 Rooms

THE PARTHENON

THIS is the most elaborate and complete Martin house ever placed before bird-lovers. All sides alike—a specimen of beauty and artistic finish—an added elegance to public parks and to lawns and gardens of culture and refinement. Strongly made of clean yellow poplar, well-painted, complete tin roof over non-heating sheeting, paneled piazza ceiling. Sixty rooms properly partitioned. Size 44 by 44 by 40 inches. Shipping weight 600 pounds. A beautiful marble palace painted solid white with stone gray copings. No extra charge for painting any tint.

Complete with heavy angle irons for attaching to any pole. Price, including crating.....$100.00

Best made 4 inch iron pipe stationary pole, 21 feet long, additional..... 20.00

Best made 4 inch iron pipe hinged pole, having a total length of 21 feet, additional..... 30.00

For description of poles, see page 27.

Complete instructions with each purchase.

JACOBS EASY-RAISING BIRD-HOUSE POLES

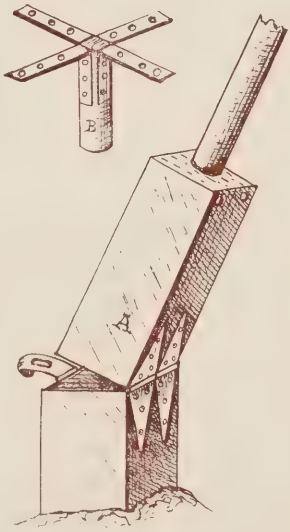
OUR Hinged Poles for Martin houses are the most convenient conceivable. The pole may be planted firmly in the ground before attaching the house, then lowered and the house put on and again raised into place. It may be easily lowered in the fall for removing the bird-house to a sheltering place during the winter, and for preventing Sparrows harboring in it until springtime, when it may again be placed into position for the returning Martins before the sparrow pests have time to establish themselves.

All our hinged poles are 21 feet long, the main stems being 4-inch steel tubes or iron pipes, the lower end of which is secured in an 8-inch square hard wood encasement, which in turn is hinged to an 8-inch square solid hardwood section for planting in the ground. This is the most durable and strongest easy raising pole ever offered. They are made at our own factory and offered at these low prices for the accommodation of those of our customers who wish the whole outfit ready to erect.

Weight of hinged poles, as described above, for Models 1, 2, 5, 6, 9, 10 and 11 is 250 pounds. Price complete with hinged locking device, $12.00.

Weight of hinged pole for Model 3, having extra heavy hand-made hinges, 275 pounds. Price complete with hinged locking devices, $20.00.

Weight of a hinged pole for Models 4 and 12 is 500 pounds. This hinged pole is made of extra heavy materials, hinged to a 10-inch square solid hardwood section for planting in the ground, and provided with extra heavy hand-made hinges. Price complete with hinged locking device, $30.00.



STATIONARY POLES—These poles are made of 4-inch steel tubes or iron pipe, are 21 feet long and weigh 130 pounds. Price for Models 1, 2, 5, 6, 9, 10 and 11 is $8.00.

Model 3, 150 pounds. Price $12.00.

Models 4 and 12, 250 pounds. Price $20.00.

Complete instructions with each purchase.

A suggestion of cool, refreshing air, tinkling melodies of tree-loving warblers and the liquid babble of our purple friend, the martin.

Seventeen room Model 6 martin home of Mrs. Eliza W. Osborne, 99 South Street, Auburn, N. Y.

Davenport, Iowa.

Can frankly state that my Jacobs bird-houses were the means of furnishing a great deal of pleasure to all of us, as well as to all the children in the neighborhood. They certainly have a large number of admirers.

As advised you in previous correspondence, I erected the first house one evening, and the following morning, in going into the yard, I found a pair of Martins in the house. The following morning, I had two pair, and so on until I had a total of eighteen pair, which all hatched their broods and have now left for Southern regions.

In conclusion will state that any one who is fond of birds, will by purchasing a Jacobs bird-house, never have occasion to regret the investment.

J. H. BENDIXEN.

SINGLE ROOM NEST-BOXES

THE single room nest-boxes are the best for attracting such birds as Bluebird, Wren, Chickadee, Tree Swallow, Nuthatch, Flicker, Tufted-tit, Crested Flycatcher, Red-Headed Woodpecker, etc.

Unlike the Martins, the species of hole-nesting birds, mentioned above, are unsociable at the breeding season. That is, they will not colonize in one box. A pair of Bluebirds will take quarters in a house and whip off all comers, even of their own kind. Except the tree swallows, it is the same with the Wren and all other species for which the single room or individual nesting-boxes are made. If you put these up at random in suitable places on your premises, every box may eventually be taken, which is never the case with a Bluebird or Wren house, having more than one room.

Do not be deceived into the belief that you can colonize such birds as Bluebird, Chickadee, Wren, Nuthatch, Tufted-tit, Crested Flycatcher or Flicker in houses of many compartments, for they will not colonize. They will associate and feed together on your grounds, but invariably select different nesting sites.

J. Warren Jacobs long ago demonstrated the superiority of the single room, or individual nest-box for all species of hole-nesting birds, except the Purple Martin and the Tree Swallow.

The four types of single-room nest-boxes we show in this Department, are adapted to the habits of Crested Flycatcher, Tufted Titmouse, and White-Breasted Nuthatch, as well as the Tree Swallow, Wren, Chickadee, Bluebird and Flicker. The box designed for the Bluebird, we find is often selected by the Red-Headed and the Hairy Woodpeckers for a nesting site, and for that reason we recommend this type for these birds.

These nest-boxes are made of clear yellow poplar and white pine (the best non-heating woods in existence), and well painted (no cheap staining process), oil paint, three coats, rendering a substantial and durable home for the birds.

Over thirty-nine years of scientific experiment has demonstrated that these nest-boxes must be made of surfaced lumber and well painted to supply clean and durable nesting quarters for the birds. We have nest-boxes of our types here described, erected on our

premises more than twenty years ago, which are still clean and fresh, and occupied by Bluebirds and Wrens each season. At the same time the experiments with the so-called rustic type of boxes demonstrated its inferior quality, holding moisture, dampness and mould, and soon perishing from destructive worms in the decaying wood.

This reproduction of a Jacobs bluebird nest-box was put up hurriedly to receive a pair of bluebirds which had taken possession of a Jacobs Model 2 martin house we had just erected for Mr. Challen W. Waychoff, this city. On the third day the bluebirds left the martin house to the martins and built and reared two broods in the nest-box intended for them, and although only 50 feet from the martins never again molested them.

Marshall, Mich.

. . . Please send me 30 more bluebird nest-boxes and ten for chickadees. My bluebird boxes, bought of you, are well occupied, and as the first broods are out, I notice many more old birds, apparently from other localities, looking for quarters and I want to accommodate them.

F. A. STUART.

Painesville, O.

. . . I have received the bluebird nest-boxes and am so well pleased with immediate results that I am now enclosing my check for two more of the same design.

MRS. J. S. CASEMENT.

St. Louis, Mo.

. . . I have some of your bird-houses in use on my place at Kirkwood, Mo. The martin house was well tenanted last year. Also the wren, bluebird and flicker houses were occupied.

FRANCIS McNEARY.

Bluebird House

Plain box, with detachable front easily opened for cleaning. This is an ideal box for bluebirds, to be erected on a vine arbor or a post in a quiet nook of the lawn or garden.

Price, each, $1.50 F. O. B. Waynesburg, Pa.

Shipping weight, 6 pounds.

See parcel post rates, page 32.

Complete instructions with each purchase.

House for Wrens or Tree Swallows

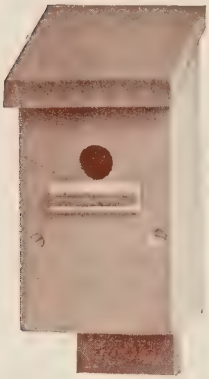
Practically every one can have a pair of wrens simply by putting up one of our nest boxes. Beautiful single room house for attaching to side of building or top of post. In ordering please state whether for Wren, or for Tree Swallow.

Price, each, $1.50 F. O. B. Waynesburg, Pa.

Shipping weight, 7 pounds.

See parcel post rates, page 32.

Complete instructions with each purchase.



Chickadee Nest-Box

Chickadee Nesting-box, for attaching to tree or post. A small single room nest-box adapted to the needs of the Chickadee.

Price $1.50 F. O. B. Waynesburg, Pa.

Shipping weight, 4 pounds.

See parcel post rates.

Complete instructions with each purchase.

Flicker Nest-Box

The best artificial Nest-box for the Flicker. Our customers report almost universal success in attracting Flickers as permanent residents in this box.

Sent with the hole sealed with proper material for attracting the birds. Shipping weight, 7 pounds. Each $1.50 F. O. B. Waynesburg, Pa.

See parcel post rates.

Complete instructions with each purchase.

Insured Parcel Post Rates

To be added to list price of each one ordered.

	East of Mississippi	Mississippi to Denver	West of Denver
Wren and Tree Swallow.....	$ .30	$ .50	$ .80
Bluebird	.25	.40	.70
Chickadee	.15	.30	.50
Flicker	.30	.50	.80

FEEDING THE BIRDS IN WINTER

Birds do not have the instinct which many animals possess of storing food in excess of their immediate needs for use in winter, hence are forced to make daily quests; neither do they sleep the time away as do many animals.

If you feed the Wrens, Chickadees, Nuthatches, Tit-mice, Cardinals, Song Sparrows and all other small resident birds, during the winter months, they will make your premises their haunts during the summer season, repaying you for your kindness to them by devouring multitudes of insect pests which come to destroy your garden, flowers, fruits and trees.

The following pages show types of feeding devices which have been used with great success. The most serious objection we have found with all open feeders is the ease with which the English Sparrows enter for robbery.

A sample of the many odd and interesting peculiarities discoverable in studying bird life is the fact that Sparrows seem to think the Jacobs Food Shelter a trap and shrewdly keep away from it. Its construction, method of erection and food supply have been worked out to get this result. On the other hand dozens of such birds as Chickadee, Wren, Tufted-tit, Cardinal, Hairy Woodpecker, Nuthatch, Downy Woodpecker, Song Sparrows, etc., come daily to feed from it.

Aside from practical and humane reasons for feeding desirable birds in winter we know of no "indoor sport" more interesting than watching from one's window the birds that come to enjoy the hospitality of a food shelter erected for them. Particularly where there are children in a family, a shelter set up near the house for them to keep supplied with food, is the means of a great deal of pleasure.

JACOBS FOOD SHELTER FOR WINTER BIRDS

This is our *Jacobs Food Shelter* for use on lawns, in gardens, orchards, parks and woodland.

All glass sides, high quality tin covered roof. No danger from wind, storm, rain or snow from any direction. Made of clean standard stock and well painted. The bottom is open, a pair of cross arms holding the framework in place. The interior is provided with a circular food table upon which is attached our automatic food bin, holding three quarts of food, and issuing the same as the birds apply for it. To the outside of the food bin is attached our circular suet basket.

This type of shelter is made in one size only.

Size 36x36x30 inches, complete as described and including 7 foot steel pole and crating, F. O. B. Waynesburg, Pa.....$17.00

Shipping weight, 180 pounds.

Complete instructions with each purchase.

JACOBS FEEDING BOOTH

Is a small feeding shelf, completely protected from storm and wind, for attaching to tree trunk, post or side of building. It is provided with our own automatic food hopper, holding two pints of prepared food, and issuing the same as the birds apply for it. Our experience with this feeding booth during the past several years proves it to be a splendid means of feeding the birds where it is desired to offer shelter and food to the birds in many different parts of lawn and garden; shipping weight, 7 pounds.

Price, F. O. B. Waynesburg, Pa., each $1.50.

Postage extra, see parcel past rates, page 39.

Complete instructions with each purchase.

JACOBS AUTOMATIC SUET BASKET

The most convenient and practical sheltered suet basket offered. The basket proper is completely sheltered from storm. Works automatically for refilling; dropping forward by means of a pivot while replenishing. When filled and pushed into place, the larder receives the protection of a metallic roof, wood sides and back, leaving only a section of the rounded front exposed, to which the birds gain access by the twigs leading to the perch. The device hangs on a nail driven in any convenient location, such as post, tree trunk, trellis or side of building. Neat and compactly built. Each, F. O. B. Waynesburg, $1.50.

Postage extra, see parcel post rates, page 39.

Shipping weight, 6 pounds.

Complete instruction with each purchase.

Tufted Titmouse, caught by the Camera

JACOBS SWINGING FOOD SHELTER

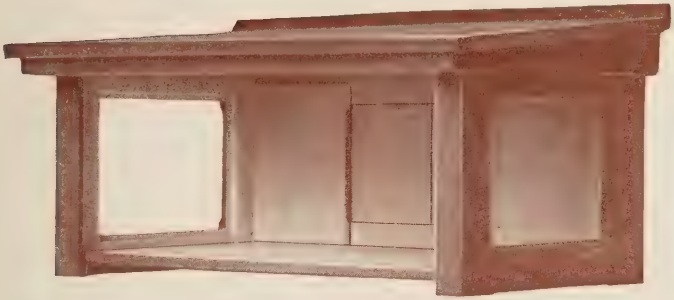
Equipped with our Automatic Food Bin, combined with our Circular Suet Basket, all in readiness for hooking to tree branch, or to porch ceiling; or for trolleying on a wire from your window to a neighboring tree.

Made in one size only; complete as shown in cut, equipped with hooks and pulleys. F. O. B. Waynesburg, Pa., including crating, each $8.00.

With each shelter is supplied 50 feet each of wire and cotton line, and complete instructions for placing in position.

Shipping weight, 30 pounds.

Shipped by express or freight only.



AUDUBON
BIRD LUNCH COUNTER

FOR persons who wish a convenient feeding-box for use in a window, we have designed this neat and substantially made shelter. It contains all the essential merits of our larger "out of door" shelter. Food can be placed direct from your living-room to the shelter by means of two sliding doors in the closed rear of the latter. These doors are also a very desirable feature for observing the birds while at lunch.

The ends of this shelter consist of glass-filled sash; the floor is of solid wood. The roof which is covered with a good quality of sheet tin, projects well over the open front, thus affording the best protection to food and birds from wind and storm. Provided with our automatic food bin. Proper fasteners are provided for securing this shelter to sides of window. *It can also be placed on the side of a building, on a post or a tree trunk.*

Shipping weight, 60 pounds. Dimensions, 28 inches long, 21 inches wide, 14 inches high.

Complete instructions with each lunch counter.

Price, crated, F. O. B. Waynesburg, Pa., $7.00.

THE JACOBS QUAIL LODGE AND FOOD SHELTER

Cut showing the Food Shelter within the protecting Lodge, and all in readiness for operation.

Wonderful success results from feeding quail during the winter months. The shelter forms a protecting lodge and feeding station for large covies of these magnificent game birds. Many birds can be saved by putting out these proven food shelters.

The shelter is 36x36x30 inches, has all glass sides, high quality tin covered roof. No danger from wind, storm, rain or snow from any direction. Made of clean standard stock and well painted. Removed to sheltering place when not in use will last a lifetime.

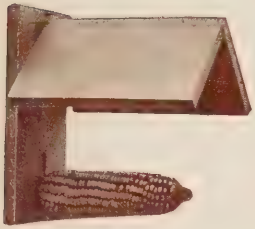
The bottom is open, a pair of cross arms holding the framework in place. The interior is provided with circular table upon which is attached our automatic food bin, holding five gallons of food and issuing the same as the birds apply for it. Removable cupola roof under which is center shaft for supplying grain to the food bin.

Complete as shown in cut, with threaded flange and socket for erecting on single center stake, the only support necessary, and with proper stakes and strips for forming the support for protecting lodge. Shipping weight, 200 pounds.

Price, including crating, $17.00, F. O. B. Waynesburg, Pa.

With each purchase we furnish complete illustrated instructions, with ground plan, for placing the food shelter and constructing the protecting lodge over it. Also for supplying the food bin with food.

THE CARDINAL'S CORNCRIB



This method of providing corn for the Red-birds during the winter has been in use on our grounds for several years with great success. The roof preventing freezing weather from covering the ears with ice. To provide the corn in the ear also prevents robbery by the sparrows, which birds cannot detach the grains.

The Cardinal's strong beak lifts the grains with ease. We have more than a dozen Cardinal Grosbeaks, right at our Bird-house Factory doors, feeding at these corncribs.

Price F. O. B. Waynesburg, two for $1.50. (Weight, 6 pounds.)

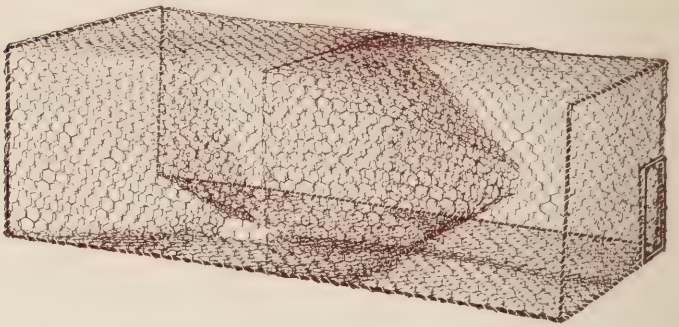
Complete instructions with each purchase.

All our type of Feeding Booths, Suet Baskets and Cardinal Corncribs can be shipped by parcel post, if requested and full amount of postage is included with the order.

INSURED PARCEL POST RATES

To be added to list price of each one ordered.

	East of Mississippi	Mississippi to Denver	West of Denver
Feeding Booth.....	$ .30	$ .50	$ .80
Automatic Suet Basket....	.25	.40	.70
Cardinal Corn Crib (2)....	.25	.40	.70



GOVERNMENT SPARROW TRAP

MADE of electrically tinned wire netting, and is provided with double funnel chambers for enticing and trapping the birds. This trap has been fully tested on the Government grounds at Washington, D. C., by the United States Department of Agriculture, where it originated, and as many as seventy-five sparrows have been caught in a single day. It has also been in use, with very satisfactory results, in the Missouri Botanical Gardens of St. Louis.

Under favorable conditions this trap catches scores of sparrows daily. A gentleman in Philadelphia writes us that he caught as many as 800 sparrows in one of these traps during the winter months. Works all the year.

Complete instructions for baiting and setting with each trap. These traps have been tested for catching rats as well as sparrows, and they are also being ordered by millers, grocerymen, poultry raisers and dealers in grain, feed and flour.

Regulation size, 36x18x12 inches. (Too bulky to go by parcel post.)

Weight, crated, 30 pounds. Four of these traps, in one crate, will go for the minimum freight charge on 100 pounds.

Price, crated, including receiving box for removing victims from the trap F. O. B. Waynesburg.....$6.00

"GOVERNMENT" BIRD BANDERS' TRAP

THE "Government" Bird Banders' Trap for capturing birds for attaching aluminum band to leg, a new method of scientific study of migrating birds. This method of migratory bird study is becoming popular, not only in America, but also in many countries throughout the world.

This trap is of exact dimensions as the Government Sparrow Trap, but constructed of a closer woven wire of greater strength.

A broad protecting band of fine screen passes all around the lower half of the trap, thus preventing the birds from injury while awaiting their freedom.

Prices, including receiving box for removing birds from the trap, F. O. B. Waynesburg, Pa. $12.00

One of our Model 5 Martin-houses erected on a lawn overlooking a beautiful lake in Wisconsin.

Montpelier, Vt.

. . . The Jacobs Food Shelter received and installed. Immediate results from chickadees, nuthatches, juncos and woodpeckers.

F. H. GOSS.

Westerly, R. I.

. . . The Jacobs Food Shelter I purchased from you is attracting the birds in great numbers, and I am well pleased with it. I am enclosing my check covering cost of two more of these shelters for placing in the Westerly Public Parks.

ARTHUR M. COTTRELL.

A "Close-Up" That Shows the Graceful Lines of Our Poles

Proving That Bird-Houses Belong in the Landscape Plan

WARD PRINTING COMPANY
WASHINGTON, PA